

EAST SEARCH

11/22/05

S34	12	osteon with (secondary or alternate or longitudinal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S35	21	model with bone with (microstructure\$2 or macrostructure\$2 or hierarchical)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S36	2	((model with bone with (viscoelastic or osteon)) or ((bone with (viscoelastic or osteon)) or (bone with (viscoelastic or osteon) and (Ramgood near2 Osgood)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S37	2	((model with bone with (viscoelastic or viscoelastic)) and (Ramgood near2 Osgood))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S38	12	(bone with (osteon or viscoelastic)) and (collagen with mucopolysaccharide\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S39	20	model with bone with (hierarchical)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S40	185	((model with bone with (structure\$2 or mechanic\$2 or macrostructure\$2 or hierarchical)) and ((strain near2 rat US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S41	15	(model with bone) and (bone with (external near2 force\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S42	11	5,947,893 pn. or "6,333,313".pn. or "6,442,287".pn. or "6,416,737".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S43	3	Osteon and (Ramgood or Osgood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S44	1745	(Ramgood or Osgood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S45	2	(Ramgood near2 Osgood)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S46	4	(Ramgood or Osgood) with (torque or hydroxyapatite or (angle near2 twist) or (strain near2 rat US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S47	1	2,892,629 pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S48	12	(bone with osteon) and (collagen with mucopolysaccharide\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S49	6	osteon with ((internal or external) with diameter) or height or length)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S50	15	(( (model with bone with (viscoelastic or osteon)) or ((bone with (viscoelastic or osteon)) or (bone with (viscoelastic or osteon) and (Ramgood near2 Osgood)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S51	156	((model with bone with (viscoelastic or osteon)) or ((bone with (viscoelastic or osteon)) or (bone with (viscoelastic or osteon) and (Ramgood near2 Osgood)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S52	4	((model with bone with (viscoelastic or osteon)) or ((bone with (viscoelastic or osteon)) or (bone with (viscoelastic or osteon) and (Ramgood near2 Osgood)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S53	10	5,732,469 pn. or "6,293,970".pn. "6,333,313".pn. "5,974,893".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S54	10	5,732,469 pn. or "6,293,970".pn. "6,333,313".pn. "5,947,893".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S55	4030	model\$3 with bone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S56	1066	S55 and (bone with (characteristics or properties))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S57	172	S56 and (compar\$4 with (characteristics or properties))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S58	115	S57 and ((actual or human or real or subject) near2 bone)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S59	29	S57 and ((predict\$3 or forecast\$3) with (deformation or fracture\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S60	28	S58 and ((predict\$3 or forecast\$3) with (deformation or fracture\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S63	2	S56 and ((design\$3 or build\$3 or fabricat\$3 or mak\$3) with (synthetic near2 bone))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S62	2	S56 and (design\$3 with (synthetic near2 bone))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S61	20	S57 and ((actual or human or real or subject) near2 bone) with (reconstruct\$3 or graft\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S64	4	S57 and (bone with (reconstructing or grafting))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S65	29	S57 and ((place\$4 or locat\$3) with (screw\$1 or prosthesis or prostheses))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S66	36	model with bone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S67	4381	model\$3 with bone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S68	4658	S68 and ((microstructure or osteon\$1 or lamellae or trabeculae) with non-homogeneous)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S70	4	model\$3 with bone with (microstructure or osteon\$1 or lamellae or trabeculae)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S69	25	model\$3 with bone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
		1 and ("non-homogeneous"; "CHM")	US-PGPUB
L1	2011	0	

# EAST SEARCH

11/22/05

## Results of search set S23:

Document Kind	Codes Title	Issue Date	Current OR	Abstract
US 20050227923 A1	Stimulation of bone growth with thrombin peptide derivatives	20051013	514/13	
US 20050182325 A1	Bone strength measuring instrument and method	20050818	600/437	
US 20050182295 A1	Catheterscope 3D guidance and interface system	20050818	600/117	
US 20050167261 A1	Treatment process for improving the mechanical, catalytic, chemical, and biological activity of $\epsilon$ -fibrin minerals, methods for their production using a solution-precursor-solid mechanism, arrangement and method for the intra-operative determination of the position of a joint replacement for bone structure prognosis and simulated bone remodeling	20050804	204/192.11	
US 20050152990 A1	Method for bone structure prognosis and simulated bone remodeling	20050714	424/602	
US 20050149050 A1	Arrangement and method for the intra-operative determination of the position of a joint replacement	20050707	606/102	
US 20050148860 A1	Method for bone structure prognosis and simulated bone remodeling	20050707	600/410	
US 20050148496 A1	Treatment of rheumatoid arthritis with hypoxia inducible factor-1alpha antagonists	20050707	514/2	
US 20050133955 A1	Method for design and production of a custom-fit prosthesis	20050623	264/219	
US 20050131662 A1	Method and system for modelling bone structure	20050616	703/11	
US 20050131048 A1	Enhancement of bone growth and inhibition of bone resorption	20050616	514/406	
US 20050123197 A1	Method and image processing system for segmentation of section image data	20050609	382/173	
US 20050117788 A1	Method to identify the mechanical properties of a material	20050602	382/128	
US 20050101966 A1	System for determining the position of a knee prosthesis	20050512	606/102	
US 20050085709 A1	Evaluating disease progression using magnetic resonance imaging	20050421	600/410	
US 20050084145 A1	Evaluating disease progression using magnetic resonance imaging	20050421	382/130	
US 20050084144 A1	Oral implant template	20050421	382/128	
US 20050075495 A1	Probes for chondrogenesis	20050407	536/23.5	
US 20050070797 A1	Electronic system for determining the density and structure of bone tissue and stimulating osteoblasts	20050331	600/438	
US 20050070699 A1	Hbm variants that modulate bone mass and lipid levels	20050331	536/23.2	
US 20050069547 A1	Medicament for treating tumours and their metastases	20050331	424/155.1	
US 20050043835 A1	Method for design and production of custom-fit prostheses	20050224	700/98	
US 20050042253 A1	Tissue repair and replacement	20050224	424/426	
US 200500437320 A1	Manufacturing a dental implant drill guide and a dental implant superstructure	20050217	433/173	
US 20050033380 A1	Method and device for stimulating the brain	20050210	607/45	
US 20050021037 A1	Image-guided navigated precision reamers	20050127	606/79	
US 20040265770 A1	Custom orthodontic appliance forming method and apparatus	20041230	433/24	
US 20040254771 A1	Programmable joint simulator with force and motion feedback	20041216	703/7	
US 20040244069 A1	Transgenic animal model of bone mass modulation	20041202	800/14	
US 20040243481 A1	System and method for rapidly customizing design, manufacture and/or selection of biomedica	20041202	705/26	
US 20040236552 A1	Method of evaluating products using a virtual environment	20041125	703/6	
US 20040236457 A1	Method of evaluating articles used on a body in a virtual environment	20041125	700/132	
US 20040236456 A1	Method of evaluating the performance of a product using a virtual environment	20041125	700/132	
US 20040236455 A1	Method of designing a product in a virtual environment	20041125	700/132	
US 20040221326 A1	Transgenic animal model of bone mass modulation	20041104	800/3	
US 20040214129 A1	Method and apparatus for orthodontic appliance optimization	20041028	433/24	

US 20040192424 A1	Method for performing game, information storage medium, game device, data signal and program for producing an artificial bone model and an artificial bone model produced by the program	20040930 463/8
US 20040175686 A1	Process for producing an artificial bone model and an artificial bone model produced by the program	20040909 434/274
US 20040175368 A1	Use of crystal violet as photochemotherapeutic agent	20040909 424/93.7
US 20040172107 A1	System and method for force, displacement, and rate control of shaped memory material implants	20040902 607/96
US 20040161722 A1	Use of finite element analysis for orthodontic mechanics and appliance selection	20040819 433/24
US 20040157798 A1	Drug for use in bone grafting	20040812 514/89
US 20040152627 A1	Pharmaceutical composition	20040805 514/12
US 20040146561 A1	Compositions for promoting healing of bone fracture	20040729 424/486
US 20040143863 A1	Hematopoietic stem cell niche cells	20040722 800/18
US 20040131562 A1	Biomimetic organic/inorganic composites, processes for their production, and methods of use	20040708 424/57
US 20040127821 A1	Continuous passive motion exercise system with driven monitoring	20040701 60/15
US 20040126746 A1	Medical physiological simulator including a conductive elastomer layer	20040701 434/262
US 20040078212 A1	Method, arrangement and program for a prosthetic installation	20040422 705/1
US 20040077088 A1	Techniques for deriving tissue structure from multiple projection dual-energy x-ray absorption tomography	20040422 435/455
US 20040070583 A1	Computer-implemented method for constructing and manipulating a three-dimensional model	20040415 345/419
US 20040068487 A1	Computer-aided orthopedic surgery	20040408 600/443
US 20040063670 A1	Use of bisphosphonates for pain treatment	20040401 514/102
US 20040062786 A1	Method and system for modelling bone structure	20040401 424/423
US 20040053301 A1	Genes associated with mechanical stress, expression products thereof, and uses thereof	20040318 435/6
US 20040048811 A1	Drynaria extractions for treating osteoporosis and their extraction process	20040311 514/27
US 20040043368 A1	Three-dimensional surgery simulation system	20040304 434/262
US 20040043010 A1	Delivery of bioactive compounds to an organism	20040304 424/93.21
US 20040030245 A1	Computer-based training methods for surgical procedures	20040212 600/426
US 20040028181 A1	Method and apparatus for multiple-projection, dual-energy x-ray absorptiometry scanning	20040212 378/92
US 20040019263 A1	Multiple bone tracking	20040129 600/407
US 20040015072 A1	Evaluating disease progression using magnetic resonance imaging	20040122 600/410
US 20030235561 A1	Vascularized organized tissues and uses thereof	20031225 424/93.21
US 20030232374 A1	Compositions and methods relating to detrusor estrogen-regulated protein (DERP)	20031218 435/6
US 20030232071 A1	Biomimetic organic/inorganic composites, processes for their production, and methods of use	20031218 424/443
US 20030225331 A1	Implantable thermal treatment method and apparatus	20031204 600/437
US 20030216899 A1	Multidirectional morphology and mechanics of osteonic lamellae	20031120 703/11
US 20030216777 A1	Method of enhancing healing of interfacial gap between bone and tendon or ligament	20031120 606/214
US 20030216721 A1	System and method providing directional ultrasound therapy to skeletal joints	20031120 608/28
US 20030193106 A1	Artificial bone graft substitute using calcium phosphate compounds and method of manufacture	20031016 264/109
US 20030175680 A1	Methods of treating and preventing bone loss	20030918 435/4
US 20030153985 A1	Medical implant	20030814 623/23.59
US 20030152606 A1	Inorganic resorbable bone substitute material and production method	20030814 424/426
US 20030149934 A1	Computer program connecting the structure of a xml document to its underlying meaning	20030807 715/513
US 20030138076 A1	Dental and orthopedic densitometry modeling system and method	20030724 378/39
US 20030109934 A1	Osteoinduction of cortical bone allografts by coating with biopolymers seeded with recipient cells	20030612 623/23.59
US 20030099644 A1	CD40 ligand and CD40 agonist compositions and methods of use	20030529 424/144.1
US 20030090523 A1	Information distribution system and information distribution method	20030515 345/782
US 20030082808 A1	Composite biodegradable polymer scaffold	20030501 435/395

US 20030059736 A1	Use of finite element analysis for orthodontic mechanics and appliance selection	20030327 43324
US 20030039966 A1	Probes for chondrogenesis	20030227 43516
US 20030023156 A1	Animation technology	20030130 600407
US 200300111624 A1	Deformable transformations for interventional guidance	20030116 345646
US 20030008608 A1	Apparatus and method for removing bones from a disassembled animal carcass	20030109 452157
US 20030008395 A1	Process for growing tissue in a biocompatible macroporous polymer scaffold and products thereof	20030109 4351396
US 20020196986 A1	Method and system for the computerized analysis of bone mass and structure	20021226 3821132
US 20020191823 A1	Digital topological analysis of trabecular bone MR images and prediction of osteoporosis fracture	20021219 3821128
US 20020182205 A1	Stimulation of bone growth with thrombin peptide derivatives	20021205 424194.64
US 20020180750 A1	Method and workstation for generating virtual tooth models from three-dimensional tooth data	20021205 3451630
US 20020169319 A1	Utilization of an infrared probe to discriminate between materials	20021114 600473
US 20020160337 A1	Method of using computer data to modify or alter an existing cast or model	20021031 4331213
US 20020155162 A1	Modeling viscoelastic torsional properties of osteons	20021024 4241549
US 20020154733 A1	Dental and orthopedic densitometry modeling system and method	20021024 378156
US 20020151514 A1	Genes associated with mechanical stress, expression products therefrom, and uses thereof	20021017 514144
US 20020137705 A1	Genes associated with mechanical stress, expression products therefrom, and uses thereof	20020926 514144
US 20020133229 A1	Ligament and tendon replacement constructs and methods for production and use thereof	20020919 623113.17
US 20020130853 A1	Squash and stretch three-dimensional rendering	20020919 3451420
US 20020128202 A1	Stimulation of bone growth with thrombin peptide derivatives	20020912 514113
US 20020123530 A1	Use of crystal violet as photochemotherapeutic agent	20020905 5141648
US 200201202517 A1	Manufacturing a dental implant drill guide and a dental implant superstructure	20020801 4331173
US 20020086125 A1	Genes associated with mechanical stress, expression products therefrom, and uses thereof	20020704 514112
US 20020082779 A1	System and method for modeling bone structure	20020627 702119
US 20020076681 A1	Computer based instrumentation and sensing for physical examination training	20020620 4341273
US 20020070939 A1	Coding and decoding three-dimensional data	20020613 3451473
US 200200086125 A1	System and method for rapidly customizing design, manufacture and/or selection of biomedical apparatus	20020516 703111
US 200200082779 A1	Method and system for analyzing behavior of whole human body by simulation using whole human	20020411 703111
US 200200076681 A1	DELIVERY OF BIOACTIVE COMPOUNDS TO AN ORGANISM	20020328 424193.21
US 200200070939 A1	Custom orthodontic appliance forming method and apparatus	20020307 433124
US 200200059049 A1	Custom orthodontic appliance forming method and apparatus	20020228 433124
US 200200042703 A1	METHOD AND SYSTEM FOR THE COMPUTERIZED ANALYSIS OF BONE MASS AND STR	20020228 3821132
US 200200037279 A1	Method and system for analyzing behavior of whole human body by simulation using whole human	20020207 70316
US 200200029417 A1	System and method for rapidly customizing a design and remotely manufacturing biomedical devices	20020117 70517
US 200200025563 A1	Reverse fabrication of porous materials	20020117 264149
US 200200025563 A1	Self-repairing, reinforced matrix materials	20011213 1061677
US 6944262 B2	Dental and orthopedic densitometry modeling system and method	20050913 378/38
US 6932610 B2	Process for producing an artificial bone model and an artificial bone model produced by the process	20050823 4341274
US 6925723 B1	Three-dimensional template for footwear design	20050809 331562
US 6924804 B2	Reducing the resolution of bones in a three-dimensional model	20050802 3451473
US 6918761 B2	Method and apparatus for generating an orthodontic template that assists in placement of orthodontic	20050719 433124
US 6914050 B2	Stimulation of bone growth with thrombin peptide derivatives	20050705 514113
US 6906724 B2	Generating a shadow for a three-dimensional model	20050614 3451589
US 6901280 B2	Evaluating disease progression using magnetic resonance imaging	20050531 600410

US 6899107 B2	Osteoinduction of cortical bone allografts by coating with biopolymers seeded with recipient periosteal progenitor cells	20050531 128/898
US 6894027 B2	Stimulation of bone growth with thrombin peptide derivatives	20050517 514/13
US 6875775 B2	Triphenylalkene derivatives and their use as selective estrogen receptor modulators	20050405 514/317
US 6875442 B2	Process for growing tissue in a biocompatible macroporous polymer scaffold and products thereof	20050405 424/423
US 6862561 B2	Method and apparatus for computer modeling a joint	20050301 703/11
US 6851949 B1	Method and apparatus for generating a desired three-dimensional digital model of an orthodontic appliance forming method and apparatus	20050208 433/213
US 6846179 B2	Custom orthodontic appliance forming method and apparatus	20050125 433/24
US 6816564 B2	Techniques for deriving tissue structure from multiple projection dual-energy x-ray absorption	20041109 378/5
US 6814575 B2	Manufacturing a dental implant drill guide and a dental implant superstructure	20041109 433/75
US 6810300 B1	Method of designing a product worn on a body in a virtual environment	20041026 700/132
US 6798415 B2	Rendering collisions of three-dimensional models	20040928 345/474
US 6797285 B1	Leaves of Cajanus Cajan(„) Millsp and extract, formulation and uses thereof	20040928 424/725
US 6780016 B1	Human surgical trainer and methods for training	20040824 434/262
US 6772026 B2	System and method for rapidly customizing design, manufacture and/or selection of biomaterials	20040803 700/98
US 6753863 B1	System and method for streaming real time animation data file	20040622 345/473
US 6746814 B2	Method and system for colorizing a stereolithographically generated model	20040608 430/269
US 6739870 B2	Use of finite element analysis for orthodontic mechanics and appliance selection	20040525 433/24
US 6736638 B1	Method and apparatus for orthodontic appliance optimization	20040518 433/24
US 6711432 B1	Computer-aided orthopedic surgery	20040323 600/427
US 6692532 B1	Bone repair composite material	20040217 623/23.51
US 6688885 B1	Method and apparatus for treating an orthodontic patient	20040210 433/24
US 6673285 B2	Reverse fabrication of porous materials	20040106 264/49
US 6603471 B2	Reducing detail in animated three-dimensional models	20030805 345/419
US 6596855 B2	Probes for chondrogenesis	20030722 536/23.5
US 6593927 B2	Squash and stretch three-dimensional rendering	20030715 345/473
US 6576645 B1	Triphenylalkene derivatives and their use as selective estrogen receptor modulators	20030610 514/317
US 6575757 B1	Computer based instrumentation and sensing for physical examination training	20030610 434/273
US 6560476 B1	Evaluating disease progression using magnetic resonance imaging	20030506 600/410
US 6559848 B2	Coding and decoding three-dimensional data	20030506 345/473
US 6554613 B1	Method and apparatus for generating an orthodontic template that assists in placement of orthodontic devices	20030429 433/24
US 6551355 B1	Tissue transplant coated with biocompatible biodegradable polymer	20030422 623/16.11
US 6549803 B1	Method and apparatus for targeting material delivery to tissue	20030415 600/431
US 6540512 B1	Self-repairing, reinforced matrix materials	20030401 433/24
US 6527849 B2	Methods of reducing bone loss with CD40 ligand	20030304 106/677
US 6482411 B1	Polymer scaffold having microporous polymer struts defining interconnected macropores	20021119 424/185.1
US 6472210 B1	Method and apparatus for determining and monitoring orthodontic treatment	20021029 435/395
US 6471512 B1	Method and apparatus for determining and monitoring orthodontic treatment	20021015 433/24
US 6464496 B1	Technology explorer model	20020903 434/300
US 6443736 B1	Method and system for the computerized analysis of bone mass and structure	20020827 382/128
US 6442287 B1	Implant for treating ailments of a joint or a bone	20020820 623/21.11
US 6436146 B1	Increasing bone strength with selected bisphosphonates	20020709 424/9.2
US 6416737 B1	Manufacturing a dental implant drill guide and a dental implant superstructure	20020507 433/173
US 6382975 B1		

US 6381301 B1	Dental and orthopedic densitometry modeling system and method	20020430 378/39
US 6379962 B1	Polymer scaffold having microporous polymer struts defining interconnected macropores	20020430 435/395
US 6333313 B1	Clinical use of oxytocin alone or in combination to treat bone disorders	20011225 514/12
US 6317130 B1	Apparatus and method for generating skeleton-based dynamic picture images as well as medical apparatus and apparatus for site treatment of an orthodontic patient	20011113 345/473
US 6315553 B1	Method and apparatus for site treatment of an orthodontic patient	20011113 433/24
US 6310619 B1	Virtual reality, tissue-specific body model having user-variable tissue-specific attributes and a user interface	20011030 345/420
US 6306822 B1	Phosphopeptides and methods of treating bone diseases	20011023 514/7
US 6287606 B1	Methods of enhancing wound healing and tissue repair	20010911 424/650
US 6283755 B1	Dental implant component	20010904 433/193
US 6283753 B1	Implant abutment systems, devices, and techniques	20010904 433/172
US 6280474 B1	Devices for tissue repair and methods for preparation and use thereof	20010828 623/16.11
US 6271856 B1	Creating and modifying parameterizations of surfaces	20010807 345/581
US 6261360 B1	Self-repairing, reinforced matrix materials	20010717 106/677
US 6256038 B1	Parameterized surface fitting technique having independent control of fitting and parameterization	20010703 345/419
US 6254387 B1	Dental implant component	20010703 433/49
US 6234975 B1	Non-invasive method of physiologic vibration quantification	20010522 600/552
US 6213934 B1	Electromagnetic bone-assessment and treatment: apparatus and method	20010410 600/14
US 6165514 A	Methods of enhancing repair, healing and augmentation of tissues and organs	20001226 424/495
US 6126445 A	Implant abutment systems, devices and techniques	20001003 433/223
US 6106464 A	Apparatus and method for bone surface-based registration of physical space with tomographic	20000822 600/439
US 6090145 A	Partial scaphoid implant and method of treating ailments of the scaphoid	20000718 623/23.14
US 6083522 A	Devices for tissue repair and methods for preparation and use thereof	20000704 424/423
US 5993448 A	Implantable apparatus, matrix and method for correction of craniofacial bone deformities	19991130 606/53
US 5989334 A	Self-repairing, reinforced matrix materials	19991123 106/677
US 5947893 A	Method of making a porous prosthesis with biodegradable coatings	19990907 600/36
US 5944754 A	Tissue re-surfacing with hydrogel-cell compositions	19990831 623/23.76
US 5914121 A	Formation of human bone in vivo using ceramic powder and human marrow stromal fibroblasts	19990622 424/423
US 5898793 A	System and method for surface rendering of internal structures within the interior of a solid object	19990427 382/131
US 5895364 A	Non-invasive technique for bone mass measurement	19990420 600/595
US 5873721 A	Implant abutment systems, devices, and techniques	19990223 433/173
US 5871018 A	Computer-assisted surgical method	19990216 128/898
US 5869041 A	Delivery of bioactive compounds to an organism	19990209 424/93.21
US 5837674 A	Phosphopeptides and methods of treating bone diseases	19981117 514/7
US 5827735 A	Pluripotent mesenchymal stem cells and methods of use thereof	19981027 435/325
US 5798924 A	Process for producing endoprostheses	19980825 700/117
US 5782763 A	Electromagnetic bone-assessment apparatus and method	19980721 600/407
US 5782286 A	Method of casting hollow bone prostheses with tailored flexibility	19980721 164/132
US 5752924 A	Ultrasonic bone-therapy apparatus and method	19980519 601/2
US 5725586 A	Hollow bone prosthesis with tailored flexibility	19980310 623/23.35
US 5719916 A	Methods for manufacturing a dental implant drill guide and a dental implant superstructure	19980310 433/172
US 5714103 A	Anthropomorphic mammography and lung phantoms	19980217 378/207
US 5686116 A	Process for the production of shaped articles having a predetermined pore structure	19980203 264/109
	Methods of enhancing repair, healing and augmentation of bone implants	19971111 424/650

US 5682886 A	Computer-assisted surgical system	19971104 600407
US 5678565 A	Ultrasonic elasticity imaging method and device	19971021 6001587
US 5660624 A	Self-repairing, reinforced matrix materials	19970526 1061677
US 5649538 A	Simulation of bone in ultrasonic assessment apparatus	19970722 6001437
US 5565444 A	Osteogenesis promoter and osteoporosis remedy	19961015 5141178
US 5562448 A	Method for facilitating dental diagnosis and treatment	19961008 4331215
US 5561173 A	Self-repairing, reinforced matrix materials	19961001 5231218
US 5556645 A	Methods of enhancing wound healing and tissue repair	19960917 4241650
US 5547459 A	Ultrasonic bone-therapy apparatus and method	19960820 60112
US 5527182 A	Implant abutment systems, devices, and techniques	19960618 4331172
US 5524636 A	Method and apparatus for elasticity imaging	19960611 6001587
US 5495568 A	Computerized clothing designer	19960227 700183
US 5434146 A	Controlled release systems and low dose androgens	19950718 5141169
US 5343877 A	Orthopedic implant and method	19940906 1281898
US 5343391 A	Device for obtaining three dimensional contour data and for operating on a patient and related	19940830 433176
US 5314494 A	Endo-prosthesis, a femoral head prosthesis and an acetabulum prosthesis	19940524 623123.35
US 5279831 A	Hydroxyapatite prosthesis coatings	19940118 4241423
US 5275599 A	Biocompression external fixator for osteosynthesis	19940104 606154
US 5205745 A	Artificial dental root	19930427 4331173
US 5188670 A	Apparatus for hydroxyapatite coatings of substrates	19930223 1181667
US 5172695 A	Method for improved prediction of bone fracture risk using bone mineral density in structural an	19921222 6001407
US 5164187 A	Hydroxyapatite prosthesis coatings	19921117 4241423
US 5049074 A	Dental implant	19910917 4331173
US 502579 A	Method of shaping an endo-prosthesis, a femoral head prosthesis, an acetabulum prosthesis ε	19910820 1281898
US 5041141 A	Prosthesis component and method for its manufacture	19910326 623123.18
US 5002579 A	Ultrasound method and apparatus for evaluating, in vivo, bone conditions	19900403 6001449
US 4913157 A	Osteoclast for whole bone testing	19841120 731794
US 4483198 A	Method of forming implantable prostheses for reconstructive surgery	19840313 2641138
US 4436684 A	Dental articulator	19811201 433159
US 4303390 A	Method of preparing bone endoprosthesis model and endoprosthesis of proximal femur prepar	19761207 623123.27
US 3995323 A	MANNIKIN CONSTRUCTION	19740514 223168
US 3810565 A	ULTRASONIC THERAPEUTIC SYSTEM	19731030 1561293
US 3769134 A	MODELING METHOD OF CRANIOFACIAL BONE STRUCTURE USING CRANIUM MEASUR	1995050221
JP 07047079 A	DENTAL IMPLANT WITH AN INTEGRAL STRUCTURE COMPRISING A STUMP COMPLETE	19950106
JP 07000381 A	Manufacturing of a dental implant drill guide	20050217
WO 2005013846 A1	MANUFACTURING A DENTAL IMPLANT DRILL GUIDE AND A DENTAL IMPLANT SUPERS'	20031126
EP 1364625 A1	Casting model, for a joint prosthesis implant, uses a lost mold method to give the casting a ma	20030912
WO 3073954 A1	MODELING VISCOELASTIC TORSIONAL PROPERTIES OF OSTEONS	20021121
DE 10120330 A1	MANUFACTURING A DENTAL IMPLANT DRILL GUIDE AND A DENTAL IMPLANT SUPERS'	20020808
WO 2060347 A2	Frame to frame registration method in orthodontic care system, involves applying net normal v	19990701
WO 9932045 A1	Preparing a model of structural patterns of osteon useful for predicting fracture in bone involve;	20050331
US 20050069188 A	Model of macrostructural properties of bone used for predicting deformation and fractures of b	20050120
WO 200504698 A		20030828
WO 2003071505 A		

WO 2003061501 A  
DE 10120330 A  
US 20020082779 A  
EP 1106145 A  
US 4976737 A

Method for intra-operatively presenting approximate model of anatomical structure for computer casting model, for a joint prosthesis implant, uses a lost mold method to give the casting a mechanical properties model comprises hierarchical structural and mechanical properties  
Augmenting atrophied jawbone alveolar ridge by making incision in gingiva, inserting bone graft  
Reconstructing damaged facial skeletal feature - using shaped surgical mesh implant formed under

20030902  
20021121  
20020425  
20010613  
19901211

*Interference theory*

09/981684 Maria-Grazia Ascenzi

## EAST SEARCH

L#	Hits	Search String
L1	2011	model\$3 with bone
L3	0	1 and ("non-homogeneous".CLM.)

09/981684 Maria-Grazia Ascenzi

## EAST SEARCH

### Results of search set S33:

Document Kind	Codes Title	Abstract
US 20050227923 A1	Stimulation of bone growth with thrombin peptide derivatives	20051013 514/13
US 20050182325 A1	Bone strength measuring instrument and method	20050818 600/437
US 20050182295 A1	Catheterscope 3D guidance and interface system	20050818 600/117
US 20050167261 A1	Treatment process for improving the mechanical, catalytic, chemical, and biological activity of fibrous minerals, methods for their production using a solution-precursor-solid mechanism, arrangement and method for the intra-operative determination of the position of a joint replacement	20050804 204/192.11
US 20050152990 A1	Fibrous minerals, methods for their production using a solution-precursor-solid mechanism, arrangement and method for the intra-operative determination of the position of a joint replace	20050714 424/602
US 20050149050 A1	Arrangement and method for the intra-operative determination of the position of a joint replace	20050707 606/102
US 20050148860 A1	Method for bone structure prognosis and simulated bone remodeling	20050707 600/410
US 20050148496 A1	Treatment of rheumatoid arthritis with hypoxia inducible factor-1alpha antagonists	20050707 514/2
US 20050133955 A1	Method for design and production of a custom-fit prosthesis	20050623 264/219
US 2005013162 A1	Method and system for modelling bone structure	20050616 703/11
US 20050131048 A1	Enhancement of bone growth and inhibition of bone resorption	20050616 514/406
US 20050123197 A1	Method and image processing system for segmentation of section image data	20050609 382/173
US 20050117788 A1	Method to identify the mechanical properties of a material	20050602 382/128
US 20050101966 A1	System for determining the position of a knee prosthesis	20050512 606/102
US 20050085709 A1	Evaluating disease progression using magnetic resonance imaging	20050421 600/410
US 20050084145 A1	Evaluating disease progression using magnetic resonance imaging	20050421 382/130
US 20050084144 A1	Oral implant template	20050421 382/128
US 20050075495 A1	Probes for chondrogenesis	20050407 536/23.5
US 20050070797 A1	Electronic system for determining the density and structure of bone tissue and stimulating oste	20050331 600/438
US 20050070699 A1	Hbm variants that modulate bone mass and lipid levels	20050331 536/23.2
US 20050069547 A1	Medicament for treating tumours and their metastases	20050331 424/155.1
US 20050043835 A1	Method for design and production of custom-fit prosthesis	20050224 700/98

11/22/05

## Databases

US-PGPUB  
US-PGPUB

11/22/05

## Databases

US-PGPUB

## Abstract

20051013 514/13

20050818 600/437

20050818 600/117

20050804 204/192.11

20050714 424/602

20050707 606/102

20050707 600/410

20050707 514/2

20050623 264/219

20050616 703/11

20050616 514/406

20050609 382/173

20050602 382/128

20050512 606/102

20050421 600/410

20050421 382/130

20050421 382/128

20050407 536/23.5

20050331 600/438

20050331 536/23.2

20050331 424/155.1

US 20050042253 A1	Tissue repair and replacement	20050224 424/426
US 20050037320 A1	Manufacturing a dental implant drill guide and a dental implant superstructure	20050217 433/173
US 20050033380 A1	Method and device for stimulating the brain	20050210 607/45
US 20050021037 A1	Image-guided navigated precision reamers	20050127 606/79
US 20040265770 A1	Custom orthodontic appliance forming method and apparatus	20041230 433/24
US 20040254771 A1	Programmable joint simulator with force and motion feedback	20041216 703/7
US 20040244069 A1	Transgenic animal model of bone mass modulation	20041202 800/14
US 2004023481 A1	System and method for rapidly customizing design, manufacture and/or selection of biomedical products	20041202 705/26
US 20040236552 A1	Method of evaluating products using a virtual environment	20041125 703/6
US 20040236457 A1	Method of evaluating articles used on a body in a virtual environment	20041125 700/132
US 20040236456 A1	Method of evaluating the performance of a product using a virtual environment	20041125 700/132
US 20040236455 A1	Method of designing a product in a virtual environment	20041125 700/132
US 20040221326 A1	Transgenic animal model of bone mass modulation	20041104 800/3
US 20040214129 A1	Method and apparatus for orthodontic appliance optimization	20041028 433/24
US 20040192424 A1	Method for performing game, information storage medium, game device, data signal and program	20040930 463/8
US 20040175686 A1	Process for producing an artificial bone model and an artificial bone model produced by the process	20040909 434/274
US 20040175368 A1	Use of crystal violet as photochemotherapeutic agent	20040909 424/93.7
US 20040172107 A1	System and method for force, displacement, and rate control of shaped memory material implants	20040902 607/96
US 20040161722 A1	Use of finite element analysis for orthodontic mechanics and appliance selection	20040819 433/24
US 20040157798 A1	Drug for use in bone grafting	20040812 514/89
US 20040152627 A1	Pharmaceutical composition	20040805 514/12
US 20040146561 A1	Compositions for promoting healing of bone fracture	20040729 424/486
US 20040143863 A1	Hematopoietic stem cell niche cells	20040722 800/18
US 20040131562 A1	Biomimetic organic/inorganic composites, processes for their production, and methods of use	20040708 424/57
US 20040127821 A1	Continuous passive motion exercise system with driven monitoring	20040701 601/5
US 20040126746 A1	Medical physiological simulator including a conductive elastomer layer	20040701 434/262
US 20040078212 A1	Method, arrangement and program for a prosthetic installation	20040422 705/1
US 20040077088 A1	Techniques for deriving tissue structure from multiple projection dual-energy x-ray absorption	20040422 435/455
US 20040070583 A1	Computer-implemented method for constructing and manipulating a three-dimensional model	20040415 345/419
US 20040068187 A1	Computer-aided orthopedic surgery	20040408 600/443
US 20040063670 A1	Use of bisphosphonates for pain treatment	20040401 514/102
US 20040062786 A1	Method and system for modelling bone structure	20040401 424/423
US 20040053301 A1	Genes associated with mechanical stress, expression products therefrom, and uses thereof	20040318 435/6
US 20040048811 A1	Drynaria extractions for treating osteoporosis and their extraction process	20040311 514/27
US 20040043368 A1	Three-dimensional surgery simulation system	20040304 434/262
US 20040043010 A1	Delivery of bioactive compounds to an organism	20040304 424/93.21
US 20040030245 A1	Computer-based training methods for surgical procedures	20040212 600/426
US 20040028181 A1	Method and apparatus for multiple-projection, dual-energy x-ray absorptiometry scanning	20040212 378/92
US 20040019263 A1	Multiple bone tracking	20040129 600/407
US 20040015072 A1	Evaluating disease progression using magnetic resonance imaging	20040122 600/410

US 20030235561 A1	Vascularized organized tissues and uses thereof	20031225 424/93.21
US 20030232374 A1	Compositions and methods relating to detrusor estrogen-regulated protein (DERP)	20031218 435/6
US 20030232071 A1	Biomimetic organic/inorganic composites, processes for their production, and methods of use	20031218 424/443
US 20030225331 A1	Implantable thermal treatment method and apparatus	20031204 600/437
US 20030216899 A1	Multidirectional morphology and mechanics of osteonic lamellae	20031120 703/11
US 20030216777 A1	Method of enhancing healing of interfacial gap between bone and tendon or ligament	20031120 606/214
US 20030216721 A1	System and method providing directional ultrasound therapy to skeletal joints	20031120 606/28
US 20030193106 A1	Artificial bone graft substitute using calcium phosphate compounds and method of manufacture	20031016 264/109
US 20030175680 A1	Methods of treating and preventing bone loss	20030918 435/4
US 20030153985 A1	Medical implant	20030814 623/23.59
US 20030152606 A1	Inorganic resorbable bone substitute material and production method	20030814 424/426
US 20030149934 A1	Computer program connecting the structure of a xml document to its underlying meaning	20030807 715/513
US 20030138076 A1	Dental and orthopedic densitometry modeling system and method	20030724 378/39
US 20030109934 A1	Osteoinduction of cortical bone allografts by coating with biopolymers seeded with recipient pcf	20030612 623/23.59
US 20030099644 A1	CD40 ligand and CD40 agonist compositions and methods of use	20030529 424/144.1
US 20030090523 A1	Information distribution system and information distribution method	20030515 345/782
US 20030082808 A1	Composite biodegradable polymer scaffold	20030501 435/395
US 20030059736 A1	Use of finite element analysis for orthodontic mechanics and appliance selection	20030327 433/24
US 20030039966 A1	Probes for chondrogenesis	20030227 435/6
US 20030023156 A1	Animation technology	20030130 600/407
US 20030011624 A1	Deformable transformations for interventional guidance	20030116 345/646
US 20030008608 A1	Apparatus and method for removing bones from a disassembled animal carcass	20030109 452/157
US 20030008395 A1	Process for growing tissue in a biocompatible macroporous polymer scaffold and products thereof	20030109 435/396
US 20020196966 A1	Method and system for the computerized analysis of bone mass and structure	20021226 382/1132
US 20020191823 A1	Digital topological analysis of trabecular bone MR images and prediction of osteoporosis fracture	20021219 382/1128
US 20020182205 A1	Stimulation of bone growth with thrombin peptide derivatives	20021205 424/94.64
US 20020180760 A1	Method and workstation for generating virtual tooth models from three-dimensional tooth data	20021205 345/630
US 20020169379 A1	Utilization of an infrared probe to discriminate between materials	20021114 600/473
US 20020160337 A1	Method of using computer data to modify or alter an existing cast or model	20021031 433/213
US 20020155162 A1	Modeling viscoelastic torsional properties of osteons	20021024 424/549
US 20020154733 A1	Dental and orthopedic densitometry modeling system and method	20021024 378/56
US 20020151514 A1	Genes associated with mechanical stress, expression products therefrom, and uses thereof	20021017 514/44
US 20020137705 A1	Genes associated with mechanical stress, expression products therefrom, and uses thereof	20020926 514/44
US 20020133229 A1	Ligament and tendon replacement constructs and methods for production and use thereof	20020919 623/13.17
US 20020130853 A1	Squash and stretch three-dimensional rendering	20020919 345/420
US 20020128202 A1	Stimulation of bone growth with thrombin peptide derivatives	20020912 514/13
US 20020123530 A1	Use of crystal violet as photochemotherapeutic agent	20020905 514/648
US 20020102517 A1	Manufacturing a dental implant drill guide and a dental implant superstructure	20020801 433/173
US 20020086825 A1	Genes associated with mechanical stress, expression products therefrom, and uses thereof	20020704 514/12
US 20020082779 A1	System and method for modeling bone structure	20020627 702/19

US 20020076681 A1	Computer based instrumentation and sensing for physical examination training	20020620 434/273
US 20020070939 A1	Coding and decoding three-dimensional data	20020613 345/473
US 20020059049 A1	System and method for rapidly customizing design, manufacture and/or selection of biomedic	20020516 703/11
US 20020042703 A1	Method and system for analyzing behavior of whole human body by simulation using whole hu	20020411 703/11
US 20020037279 A1	DELIVERY OF BIOACTIVE COMPOUNDS TO AN ORGANISM	20020328 424/93.21
US 20020028417 A1	Custom orthodontic appliance forming method and apparatus	20020307 433/24
US 20020025503 A1	Custom orthodontic appliance forming method and apparatus	20020228 433/24
US 20020025063 A1	METHOD AND SYSTEM FOR THE COMPUTERIZED ANALYSIS OF BONE MASS AND STR	20020228 382/132
US 20020016700 A1	Method and system for analyzing behavior of whole human body by simulation using whole hu	20020207 703/6
US 20020007294 A1	System and method for rapidly customizing a design and remotely manufacturing biomedical c	20020117 705/7
US 20020005600 A1	Reverse fabrication of porous materials	20020117 264/49
US 20010050032 A1	Self-repairing, reinforced matrix materials	20011213 106/677
US 6944262 B2	Dental and orthopedic densitometry modeling system and method	20050913 378/38
US 6932610 B2	Process for producing an artificial bone model and an artificial bone model produced by the pr	20050823 434/274
US 6925723 B1	Three-dimensional template for footwear design	20050809 33/562
US 6924804 B2	Reducing the resolution of bones in a three-dimensional model	20050802 345/473
US 6918761 B2	Method and apparatus for generating an orthodontic template that assists in placement of orth	20050719 433/24
US 6914050 B2	Stimulation of bone growth with thrombin peptide derivatives	20050705 514/13
US 6906724 B2	Generating a shadow for a three-dimensional model	20050614 345/589
US 6901280 B2	Evaluating disease progression using magnetic resonance imaging	20050531 600/410
US 6899107 B2	Osteoinduction of cortical bone allografts by coating with biopolymers seeded with recipient pe	20050531 128/898
US 6894027 B2	Stimulation of bone growth with thrombin peptide derivatives	20050517 514/13
US 6875775 B2	Triphenylalkene derivatives and their use as selective estrogen receptor modulators	20050405 514/317
US 6875442 B2	Process for growing tissue in a biocompatible macroporous polymer scaffold and products the	20050405 424/423
US 6862561 B2	Method and apparatus for computer modeling a joint	20050301 703/11
US 6851949 B1	Method and apparatus for generating a desired three-dimensional digital model of an orthodon	20050208 433/213
US 6846179 B2	Custom orthodontic appliance forming method and apparatus	20050125 433/24
US 6816564 B2	Techniques for deriving tissue structure from multiple projection dual-energy x-ray absorptiom	20041109 378/5
US 6814575 B2	Manufacturing a dental implant drill guide and a dental implant superstructure	20041109 433/75
US 6810300 B1	Method of designing a product worn on a body in a virtual environment	20041026 700/132
US 6798415 B2	Rendering collisions of three-dimensional models	20040928 345/474
US 6797285 B1	Leaves of Cajanus Cajan(L.) Millsp and extract, formulation and uses thereof	20040928 424/725
US 6780016 B1	Human surgical trainer and methods for training	20040824 434/262
US 6772026 B2	System and method for rapidly customizing design, manufacture and/or selection of biomedic	20040803 700/98
US 6753863 B1	System and method for streaming real time animation data file	20040622 345/473
US 6746814 B2	Method and system for colorizing a stereolithographically generated model	20040608 430/269
US 6739870 B2	Use of finite element analysis for orthodontic mechanics and appliance selection	20040525 433/24
US 6736638 B1	Method and apparatus for orthodontic appliance optimization	20040518 433/24
US 6711432 B1	Computer-aided orthopedic surgery	20040323 600/427
US 6692532 B1	Bone repair composite material	20040217 623/23.51

US 66888885 B1	Method and apparatus for treating an orthodontic patient	20040210 433/24
US 6673285 B2	Reverse fabrication of porous materials	20040106 264/49
US 6603471 B2	Reducing detail in animated three-dimensional models	20030805 345/419
US 6596855 B2	Probes for chondrogenesis	20030722 536/23.5
US 6593927 B2	Squash and stretch three-dimensional rendering	20030715 345/473
US 65776645 B1	Triphenylalkene derivatives and their use as selective estrogen receptor modulators	20030610 514/317
US 6575757 B1	Computer based instrumentation and sensing for physical examination training	20030610 434/273
US 6560476 B1	Evaluating disease progression using magnetic resonance imaging	20030506 600/410
US 6559848 B2	Coding and decoding three-dimensional data	20030506 345/473
US 6554613 B1	Method and apparatus for generating an orthodontic template that assists in placement of orth	20030429 433/24
US 6551355 B1	Tissue transplant coated with biocompatible biodegradable polymer	20030422 623/16.11
US 6549803 B1	Method and apparatus for targeting material delivery to tissue	20030415 600/431
US 6540512 B1	Method and apparatus for treating an orthodontic patient	20030401 433/24
US 6527849 B2	Self-repairing, reinforced matrix materials	20030304 106/677
US 6482411 B1	Methods of reducing bone loss with CD40 ligand	20021119 424/185.1
US 6472210 B1	Polymer scaffold having microporous polymer struts defining interconnected macropores	20021029 435/395
US 6471512 B1	Method and apparatus for determining and monitoring orthodontic treatment	20021029 433/24
US 6464496 B1	Method and apparatus for determining and monitoring orthodontic treatment	20021015 433/24
US 6443736 B1	Technology explorer model	20020903 434/300
US 6442287 B1	Method and system for the computerized analysis of bone mass and structure	20020827 382/128
US 6436146 B1	Implant for treating ailments of a joint or a bone	20020820 623/21.11
US 6416737 B1	Increasing bone strength with selected bisphosphonates	20020709 424/9.2
US 6382975 B1	Manufacturing a dental implant drill guide and a dental implant superstructure	20020507 433/173
US 6381301 B1	Dental and orthopedic densitometry modeling system and method	20020430 378/39
US 6379962 B1	Polymer scaffold having microporous polymer struts defining interconnected macropores	20020430 435/395
US 6333313 B1	Clinical use of oxytocin alone or in combination to treat bone disorders	200111225 514/12
US 6317130 B1	Apparatus and method for generating skeleton-based dynamic picture images as well as medi	200111113 345/473
US 6315553 B1	Method and apparatus for site treatment of an orthodontic patient	200111113 433/24
US 6310619 B1	Virtual reality, tissue-specific body model having user-variable tissue-specific attributes and a :	20011030 345/420
US 6306822 B1	Phosphopeptides and methods of treating bone diseases .	20011023 514/7
US 6287606 B1	Methods of enhancing wound healing and tissue repair	20010911 424/650
US 6283755 B1	Dental implant component	20010904 433/193
US 6283753 B1	Implant abutment systems, devices, and techniques	20010904 433/172
US 6280474 B1	Devices for tissue repair and methods for preparation and use thereof	20010828 623/16.11
US 6271856 B1	Creating and modifying parameterizations of surfaces	20010807 345/581
US 6261360 B1	Self-repairing, reinforced matrix materials	20010717 106/677
US 6256038 B1	Parameterized surface fitting technique having independent control of fitting and parameterizat	20010703 345/419
US 6254387 B1	Dental implant component	20010703 433/49
US 6234975 B1	Non-invasive method of physiologic vibration quantification	20010522 600/552
US 6213934 B1	Electromagnetic bone-assessment and treatment: apparatus and method	20010410 600/14

US 6165514 A	Methods of enhancing repair, healing and augmentation of tissues and organs	200001226 424/495
US 6126445 A	Implant abutment systems, devices and techniques	200001003 433/223
US 6106464 A	Apparatus and method for bone surface-based registration of physical space with tomographic	20000822 600/439
US 6090145 A	Partial scaphoid implant and method of treating ailments of the scaphoid	20000718 623/23.14
US 6083522 A	Devices for tissue repair and methods for preparation and use thereof	20000704 424/423
US 5993448 A	Implantable apparatus, matrix and method for correction of craniofacial bone deformities	19991130 606/53
US 5989334 A	Self-repairing, reinforced matrix materials	19991123 106/677
US 5947893 A	Method of making a porous prothesis with biodegradable coatings	19990907 600/36
US 5944754 A	Tissue re-surfacing with hydrogel-cell compositions	19990831 623/23.76
US 5914121 A	Formation of human bone in vivo using ceramic powder and human marrow stromal fibroblast	19990622 424/423
US 5898793 A	System and method for surface rendering of internal structures within the interior of a solid obj	19990427 382/131
US 5895364 A	Non-invasive technique for bone mass measurement	19990420 600/595
US 5873721 A	Implant abutment systems, devices, and techniques	19990223 433/173
US 5869041 A	Computer-assisted surgical method	19990216 128/898
US 5869041 A	Delivery of bioactive compounds to an organism	19990209 424/93.21
US 5837674 A	Phosphopeptides and methods of treating bone diseases	19981117 514/7
US 5827735 A	Pluripotent mesenchymal stem cells and methods of use thereof	19981027 435/325
US 5798924 A	Process for producing endoprostheses	19980825 700/117
US 5782763 A	Electromagnetic bone-assessment apparatus and method	19980721 600/407
US 5782286 A	Method of casting hollow bone prosthesis with tailored flexibility	19980721 164/132
US 5752924 A	Ultrasonic bone-therapy apparatus and method	19980519 601/2
US 5725586 A	Hollow bone prosthesis with tailored flexibility	19980310 623/23.35
US 5725376 A	Methods for manufacturing a dental implant drill guide and a dental implant superstructure	19980310 433/172
US 5719916 A	Anthropomorphic mammography and lung phantoms	19980217 378/207
US 5714103 A	Process for the production of shaped articles having a predetermined pore structure	19980203 264/109
US 5686116 A	Methods of enhancing repair, healing and augmentation of bone implants	19971111 424/650
US 5682886 A	Computer-assisted surgical system	19971104 600/407
US 5678565 A	Ultrasonic elasticity imaging method and device	19971021 600/587
US 5660624 A	Self-repairing, reinforced matrix materials	19970826 106/677
US 5649538 A	Simulation of bone in ultrasonic assessment apparatus	19970722 600/437
US 5565444 A	Osteogenesis promoter and osteoporosis remedy	19961015 514/178
US 5562448 A	Method for facilitating dental diagnosis and treatment	19961008 433/215
US 5561173 A	Self-repairing, reinforced matrix materials	19961001 523/218
US 5556645 A	Methods of enhancing wound healing and tissue repair	19960917 424/650
US 5547459 A	Ultrasonic bone-therapy apparatus and method	19960820 601/2
US 5527182 A	Implant abutment systems, devices, and techniques	19960618 433/172
US 5524636 A	Method and apparatus for elasticity imaging	19960611 600/587
US 5495568 A	Computerized clothing designer	19960227 700/83
US 5434146 A	Controlled release systems and low dose androgens	19950718 514/169
US 5343877 A	Orthopedic implant and method	19940906 128/898

US 5343391 A	Device for obtaining three dimensional contour data and for operating on a patient and related Endo-prosthesis, a femoral head prosthesis and an acetabulum prosthesis	19940830 433/76
US 5314494 A	Hydroxyapatite prosthesis coatings	19940524 623/23.35
US 5279831 A	Biocompression external fixator for osteosynthesis	19940118 424/423
US 5275599 A	Artificial dental root	19940104 606/54
US 5205745 A	Apparatus for hydroxyapatite coatings of substrates	19930427 433/173
US 5188670 A	Method for improved prediction of bone fracture risk using bone mineral density in structural analysis	19930223 118/667
US 5172695 A	Hydroxyapatite prosthesis coatings	19921222 600/407
US 5164187 A	Dental implant	19921117 424/423
US 5049074 A	Method of shaping an endo-prosthesis, a femoral head prosthesis, an acetabulum prosthesis	19910917 433/173
US 5041141 A	Prosthetic component and method for its manufacture	19910820 128/898
US 5002579 A	Ultrasound method and apparatus for evaluating, in vivo, bone conditions	19910326 623/23.18
US 4913157 A	Osteoclast for whole bone testing	19900403 600/449
US 4483198 A	Method of forming implantable prostheses for reconstructive surgery	19841120 73/794
US 4436684 A	Dental articulator	19840313 264/138
US 4303390 A	Method of preparing bone endoprosthesis model and endoprosthesis of proximal femur preparation	19811120 433/59
US 3995323 A	MANIKIN CONSTRUCTION	19761120 623/23.27
US 3810565 A	ULTRASONIC THERAPEUTIC SYSTEM	19740514 223/68
US 3769134 A	MANIKIN CONSTRUCTION	19731030 156/293
JP 07047079 A	MODELING METHOD OF CRANIOFACIAL BONE STRUCTURE USING CRANIUM MEASUREMENTS	19950221
WO 2005013846 A1	DENTAL IMPLANT WITH AN INTEGRAL STRUCTURE COMPRISING A STUMP COMPLETE	19950106
EP 1364625 A1	Manufacturing of a dental implant drill guide	20050217
WO 3073954 A1	MANUFACTURING A DENTAL IMPLANT DRILL GUIDE AND A DENTAL IMPLANT SUPERSTITION	20031126
JP 07000381 A	Casting model, for a joint prosthesis implant, uses a lost mold method to give the casting a more accurate shape	20030912
WO 2005013846 A1	MODELING VISCOELASTIC TORSIONAL PROPERTIES OF OSTEONS	20021121
EP 1364625 A1	MANUFACTURING A DENTAL IMPLANT DRILL GUIDE AND A DENTAL IMPLANT SUPERSTITION	20020808
WO 20050069188 A	Frame to frame registration method in orthodontic care system, involves applying net normal vectors to each frame	19990701
DE 10120330 A1	Preparing a model of structural patterns of osteon useful for predicting fracture in bone involve	20050331
WO 20060347 A2	Model of macrostructural properties of bone used for predicting deformation and fractures of bone	20050120
WO 9932045 A1	Method for intra-operatively presenting approximate model of anatomical structure for computer	20030828
WO 2003061501 A	Casting model, for a joint prosthesis implant, uses a lost mold method to give the casting a more accurate shape	20030902
DE 10120330 A	Bone macrostructural properties model comprises hierarchical structural and mechanical properties	20021121
US 20020082779 A	Augmenting atrophied jawbone alveolar ridge by making incision in gingiva, inserting bone graft	20020425
EP 1106145 A	Reconstructing damaged facial skeletal feature - using shaped surgical mesh implant formed using	20010613
US 4976737 A		19901211